

## INTRODUCTION

Realistic targets and environments—these are critical to the success of any pilot/aircrew training or weapon systems testing. The Superior Valley Tactical Training Range, Coso Military Target Range, and Sea Range offer an incredible variety of targets, target environments, and target/training-support facilities for the aerial delivery of conventional training ordnance.

Our mission is to provide the most realistic target environments for existing and experimental systems and to do so in a safe and secure environment. Because of their remote location and large area, our ranges are also uniquely suited to support special test and evaluation efforts.



The two land ranges—Superior and Coso—are located on the Navy's 1,700-square-mile RDT&E complex at China Lake, California. Superior Valley is in the southern portion of the R-2524 restricted airspace, and Coso is in the northwest corner of R-2505. Training realism can be increased dramatically at these ranges by integrating the RF threats of the Electronic Combat Range or incorporating live weapons firing on one of the many China Lake T&E ranges. The Sea Range, which encompasses 36,000 square miles entirely under Navy-controlled airspace, is located in the Pacific Ocean just west of Point Mugu, California.

## FOR MORE INFORMATION

Additional information regarding our range capabilities may be obtained from

Naval Air Warfare Center Weapons Division  
Test Management Branch

Code 529700D

China Lake, CA 93555-6100

### COMMERCIAL:

Land Ranges

(760) 939-6809 DSN: 437-6809

Sea Range

(805) 989-8801 DSN: 351-8801

Electronic Combat Range

(760) 939-9197 DSN: 437-9197

<http://www.nawcwpns.navy.mil/~pacrange/>



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# TRAINING ON THE NAVAL AVIATION SYSTEMS TEAM RANGES China Lake & Point Mugu





### SEA RANGE

Covering 36,000 square miles of highly instrumented, controlled sea surface and airspace, the Sea Range offers a multitude of training opportunities in various environments. Large-scale, multiship training exercises involving air-to-air, air-to-surface, surface-to-surface, and surface-to-air weapons are routinely conducted on the Sea Range for U.S. as well as foreign military services. A variety of augmentable targets are available and can be configured for the user's needs.



### SUPERIOR VALLEY TACTICAL TRAINING RANGE

At the Superior Valley Tactical Training Range, over 95 targets—including surface-to-air missile (SAM) sites, antiaircraft artillery (AAA), and convoy targets—offer pilots and aircrews the opportunity to test their skills. These targets are available for inert ordnance delivery only.

The Range consists of four main targeting areas.

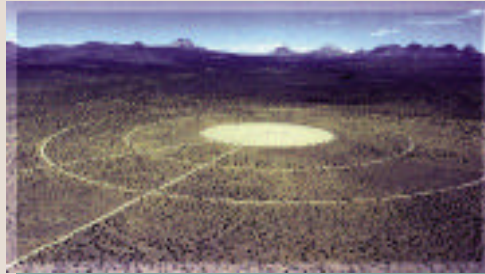


★ Northwest Target Complex

Consists of tactical targets, such as a truck convoy, tanks, mobile missile launchers, and a simulated bridge. This site is used for light/heavy inert bomb deliveries and high-angle strafing.

★ Conventional Bombing Circle

An alternate bombing circle is located 1,200 feet east of the conventional bombing circle.



★ Southeast Airfield



★ Low-/High-Angle Strafe Pit

Superior Valley operates as a controlled, scored, Class "A" proficiency training range. Bomb scoring is provided using the Weapons Impact Scoring Set, version 4.0. Strafe scoring is accomplished by the Remote Strafe Scoring Set system.



### COSO MILITARY TARGET RANGE

The Coso Military Target Range is located on a broad mountainous plateau in the northwest corner of the China Lake complex. The 70-square-mile area is characterized by rough, mountainous terrain covered with pinion pine, juniper trees, and brush and represents a typical wilderness combat environment. The average elevation is 6,000 feet, with most targets located at the 7,000- to 8,000-foot levels.

Coso Range is used to train Fleet pilots and aircrews in attack techniques, weapons delivery techniques and tactics, detecting and acquiring partly hidden or camouflaged military targets, eluding detection during approach, and minimizing exposure to enemy fire during and after attack. Coso Range targets include a bridge, tunnel, convoy, trucks, tanks, SAM site, and many other targets typical of a combat area.

### SERVICES

The Test Management Branch schedules range use and helps with test planning. The Range Control Center controls range entry and departure, supervises air operations, monitors safety, and allocates the use of the target complexes. Special services, such as constructing targets and directing aircraft flight scenarios for special test and evaluation efforts, are also provided.

### OTHER RANGE USES

With their location, surface area, and terrain features, the training ranges are ideal for system training, test and evaluation, special projects, search and rescue (SAR) training, special operations exercises, helicopter air mobile assaults, and similar specialized operations. Radios, faxes, telephones, and weather data are available to support both air and ground operations.

### OUR COMMITMENT

We are committed to providing a realistic, target-rich environment for air crew training, tactics development, And weapon-system development.